



IDAHO DEPARTMENT  
OF HEALTH AND WELFARE

DIVISION OF  
ENVIRONMENTAL QUALITY

1410 North Hilton, Boise, ID 83706-1255, (208) 334-0502

Philip E. Batt, Governor

June 6, 1997

CERTIFIED MAIL #P 875 705 129

Darrell Buffaloe  
Idaho State University  
Campus Box 8137  
Pocatello, Idaho 83209

RE: Idaho State University (Pocatello) - #9608-162-2  
Tier II Operating Permit (#005-00029)

Dear Mr. Buffaloe:

On December 26, 1996, the Division of Environmental Quality (DEQ) received ISU's official Tier II operating permit application. DEQ deemed the application complete on February 18, 1997.

On April 4, 1997, a proposed Tier II OP was issued for public comment. The public comment period was from April 23, 1997, through May 23, 1997. No comments were received.

Based on review of your application, and state and federal rules and regulations, DEQ finds this project meets the provisions of IDAPA 16.01.01.400 (Rules for the Control of Air Pollution in Idaho). Therefore, please find enclosed your Tier II OP (#005-00029) for the emission sources that exist at the facility.

You, as well as any other entity, may have the right to appeal this final agency action pursuant to the Idaho Department of Health and Welfare Rules, Title 5, Chapter 3, "Rules Governing Contested Case Proceedings and Declaratory Rulings," by filing a petition with the Hearings Coordinator, Department of Health and Welfare, Administrative Procedures Section, 450 West State Street - 10th Floor, Boise, Idaho 83720-5450, within thirty-five (35) days of the date of this decision.

Please be advised that this Tier II OP is subject to permit application fees of five hundred dollars (\$500.00) in accordance with IDAPA 16.01.01.470. IDAPA 16.01.01.470 became effective on March 7, 1995. Information regarding the permit application fees will be sent to you shortly.

If you have any questions regarding the terms or conditions of the enclosed permit, please contact Martin Bauer, Chief, Air Quality Permitting Bureau, at (208) 373-0502.

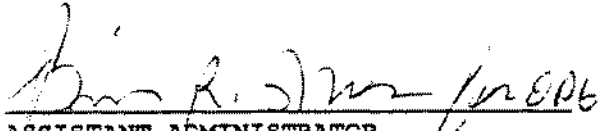
Sincerely,

Orville D. Green  
Assistant Administrator  
Air & Hazardous Waste

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Enclosure

cc: Pocatello Regional Office  
Source File  
COF

<b>STATE OF IDAHO</b> <b>AIR POLLUTION</b> <b>OPERATING PERMIT</b>		<b>PERMIT NUMBER</b> <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin: 0 5px;">0</div> <div style="border: 1px solid black; padding: 2px; margin: 0 5px;">0</div> <div style="border: 1px solid black; padding: 2px; margin: 0 5px;">5</div> <span style="margin: 0 10px;">-</span> <div style="border: 1px solid black; padding: 2px; margin: 0 5px;">0</div> <div style="border: 1px solid black; padding: 2px; margin: 0 5px;">0</div> <div style="border: 1px solid black; padding: 2px; margin: 0 5px;">0</div> <div style="border: 1px solid black; padding: 2px; margin: 0 5px;">2</div> <div style="border: 1px solid black; padding: 2px; margin: 0 5px;">9</div> </div>				
<b>GENERAL INFORMATION</b>		<b>AQCR</b> <div style="border: 1px solid black; padding: 2px; display: inline-block;">0</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">6</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">1</div>	<b>CLASS</b> <div style="border: 1px solid black; padding: 2px; display: inline-block;">A</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">2</div>	<b>SIC</b> <div style="border: 1px solid black; padding: 2px; display: inline-block;">8</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">2</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">2</div> <div style="border: 1px solid black; padding: 2px; display: inline-block;">1</div>		
		<b>ZONE</b>				
		<b>UTM COORDINATE (km)</b>				
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<b>1. Permittee</b> Idaho State University						
<b>2. PROJECT</b> Tier II Operating Permit						
<b>3. ADDRESS</b> Campus Box 8137		<b>TELEPHONE#</b> (208) 236-2209		<b>COUNTY</b> Bannock		
<b>4. CITY</b> Pocatello		<b>STATE</b> Idaho		<b>ZIP CODE</b> 83209-3137		
<b>5. PERSON TO CONTACT</b> Darrell J. Buffaloe		<b>TITLE</b> Director, Physical Plant				
<b>6. EXACT PLANT LOCATION</b> 715 East Humbolt, Pocatello						
<b>7. GENERAL NATURE OF BUSINESS &amp; KINDS OF PRODUCTS</b> Production of Steam for Educational Facility						
<b>8. GENERAL CONDITIONS</b>  <p>This permit is issued according to the Rules for the Control of Air Pollution in Idaho, Section 16.01.01.400 and pertains only to emissions of air contaminants which are regulated by the State of Idaho and to the sources specifically allowed to be operated by this permit.</p> <p>THIS PERMIT HAS BEEN GRANTED ON THE BASIS OF DESIGN INFORMATION PRESENTED IN THE APPLICATION AND THE IDAHO DEPARTMENT OF HEALTH AND WELFARE, DIVISION OF ENVIRONMENTAL QUALITY (DEQ'S) TECHNICAL ANALYSIS OF THE SUPPLIED INFORMATION. CHANGES IN DESIGN OR EQUIPMENT, THAT RESULT IN ANY CHANGE IN THE NATURE OR AMOUNT OF EMISSIONS, MAY BE A MODIFICATION. MODIFICATIONS ARE SUBJECT TO DEQ REVIEW IN ACCORDANCE WITH Section 16.01.01.200 OF THE Rules for the Control of Air Pollution in Idaho.</p>						
 ASSISTANT ADMINISTRATOR DIVISION OF ENVIRONMENTAL QUALITY				ISSUED <u>JUNE 6, 1997</u> DATE EXPIRES <u>JUNE 6, 2002</u> DATE		

## AIR POLLUTION OPERATING PERMIT

PERMIT NUMBER

## Permittee AND LOCATION

Idaho State University - Physical Plant  
Tier II Operating Permit  
Pocatello, Idaho

005 - 00029

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

## SOURCE

Steam Plant Boiler #2

## 1. EMISSION LIMITS

- 1.1 Emissions of oxides of nitrogen ( $\text{NO}_x$ ), particulate matter (PM), and particulate matter with an aerodynamic diameter less than or equal to ten (10) micrometers ( $\text{PM}_{10}$ ) from the #2 Boiler stack shall not exceed any corresponding emission rate limit listed in Appendix A.
- 1.2 Particulate emissions from the #2 Boiler stack shall not exceed 0.100 grains per dry standard cubic foot (corrected to 8% oxygen) when burning coal as required in IDAPA 16.01.01.677 (Rules for the Control of Air Pollution In Idaho). Particulate emissions from the #2 Boiler stack shall not exceed 0.015 grains per dry standard cubic foot (corrected to 3% oxygen) when burning gas as required in IDAPA 16.01.01.677 (Rules for the Control of Air Pollution In Idaho).
- 1.3 Visible emissions from the common stack shall not exceed twenty (20) percent opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period as required in IDAPA 16.01.01.625. Opacity will be determined using DEQ's "Procedures Manual for Air Pollution Control".

## 2. OPERATING REQUIREMENTS

- 2.1 Coal burned shall not contain sulfur in exceedance of one percent (1%) by weight, as required by IDAPA 16.01.01.729.
- 2.2 The #2 Boiler shall burn no more than 3,854 tons of coal per year.
- 2.3 The #2 Boiler shall produce no more than 25,090 pounds of steam per hour when burning coal.
- 2.4 The #2 Boiler shall produce no more than 16,000 pounds of steam per hour when burning any combination of coal and natural gas.

## 3. MONITORING REQUIREMENTS

- 3.1 The Permittee shall monitor and record the amount, in tons, of coal burned by the #2 Boiler each month.
- 3.2 The Permittee shall monitor, or the supplier shall verify, the maximum sulfur content by weight of the coal each time coal is introduced into the coal storage bunkers. This information shall be recorded each time coal is introduced into the coal storage bunkers.
- 3.3 The Permittee shall monitor and record the steam production rate, in pounds per hour, of the #2 Boiler.
- 3.4 The Permittee shall record the date and time of day when the #2 Boiler begins and stops burning any combination of natural gas and coal.
- 3.5 The Permittee shall record the date and time when the #2 Boiler begins and stops burning only coal.

ISSUED: JUNE 6, 1997  
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## AIR POLLUTION OPERATING PERMIT

## Permittee AND LOCATION

Idaho State University - Physical Plant  
Tier II Operating Permit  
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005 - 00029

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

## SOURCE

Steam Plant Boiler #2

## 4. REPORTING AND RECORDKEEPING REQUIREMENTS

- 4.1 The Permittee shall record, in a monthly report, the information requested in Sections 3.1 and 3.2 of this permit.
- 4.2 The Permittee shall maintain a monthly report containing the information requested in Sections 3.3, 3.4, and 3.5 of this permit. The report shall clearly show when Steam Plant Boiler #2 has commenced burning any combination of natural gas and coal, or only coal, the steam production rate when burning the aforementioned fuel, or combination of fuels, and when Steam Plant Boiler #2 has completed burning the aforementioned fuel.
- 4.3 The reports required by Sections 4.1 and 4.2 shall be maintained on file by the Permittee for the most recent five (5) year period and made available to DEQ representatives upon request.

ISSUED: JUNE 6, 1997  
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## AIR POLLUTION OPERATING PERMIT

## PERMIT NUMBER

## Permittee AND LOCATION

Idaho State University - Physical Plant  
Tier II Operating Permit  
Pocatello, Idaho

005 - 00029

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

## SOURCE

Gail Life Sciences Incinerator #1 & #2

## 1. EMISSION LIMITS

- 1.1 Emissions of oxides of nitrogen ( $\text{NO}_x$ ) and sulfur dioxide ( $\text{SO}_2$ ) from the Gail Life Sciences #1 and #2 Incinerators shall not exceed any corresponding emission rate limit listed in Appendix A.
- 1.2 Visible emissions from the common stack shall not exceed twenty (20) percent opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period as required in IDAPA 16.01.01.625. Opacity will be determined using DEQ's "Procedures Manual for Air Pollution Control".

## 2. OPERATING REQUIREMENTS

The total amount of material burned in the Gail Life Sciences #1 and #2 Incinerators shall not exceed 345 pounds per hour. The total amount of material burned in the Gail Life Sciences #1 and #2 Incinerators shall not exceed 756 tons per year.

## 3. MONITORING REQUIREMENTS

The Permittee shall record, when operating, the total amount, in pounds, of material burned by the Gail Life Sciences #1 and #2 Incinerators per hour. The Permittee shall record the total amount, in tons, of material burned by the Gail Life Sciences #1 and #2 Incinerators per month.

## 4. REPORTING AND RECORDKEEPING REQUIREMENTS

The Permittee shall maintain in a monthly report the information required in Section 3 of this Permit. This report shall be maintained on file by the Permittee for the most recent five (5) year period and made available to DEQ representatives upon request.

ISSUED: JUNE 6, 1997  
EXPIRES: JUNE 6, 2002

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## AIR POLLUTION OPERATING PERMIT

## PERMIT NUMBER

## Permittee AND LOCATION

Idaho State University - Physical Plant  
Tier II Operating Permit  
Pocatello, Idaho

005 - 00029

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

APPENDIX A

## Appendix A

Idaho State University - Pocatello

Emission Limits<sup>a</sup> -- Hourly (lb/hr) and Annual<sup>b</sup> (T/yr)

Source Description	SO <sub>2</sub>		NO <sub>x</sub>	
	lb/hr	T/yr	lb/hr	T/yr
Steam Plant Boiler #2	53.8	66.12	34.0	48.82
Gail Life Sciences Buildings Incinerators #1 & #2	0.4	0.82	0.9	1.89

a As determined by a pollutant specific promulgated U.S. EPA method, or DEQ approved alternative, or as determined by DEQ's emission estimation methods used in this permit analysis.

b As determined by multiplying the actual or allowable (if actual is not available) pound per hour emission rate by the actual hours per year that the process operates.

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OPERATING PERMIT GENERAL PROVISIONS

- A. All emissions authorized herein shall be consistent with the terms and conditions of this permit. The emission of any pollutant in excess of the limitations specified herein, or noncompliance with any other condition or limitation contained in this permit, shall constitute a violation of this permit and the Rules for the Control of Air Pollution in Idaho, and the Environmental Protection and Health Act, Idaho Code 39-101 et. seq.
- B. The Permittee shall at all times (except as provided in the Rules for the Control of Air Pollution in Idaho) maintain in good working order and operate as efficiently as practicable, all treatment or control facilities or systems installed or used to achieve compliance with the terms and conditions of this permit and other applicable laws for the control of air pollution.
- C. The Permittee shall allow the Director, and/or his authorized representative(s), upon the presentation of credentials:
- 1) To enter upon the Permittee's premises where an emission source is located, or in which any records are required to be kept under the terms and conditions of this permit; and
  - 2) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit, to inspect any monitoring methods required in this permit, and to require stack emission testing (i.e., performance tests) in conformance with state approved or accepted EPA procedures when deemed appropriate by the Director.
- D. Except for data determined to be confidential under Section 39-111, Idaho Code, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the appropriate regional office of the Division of Environmental Quality.
- E. Nothing in this permit is intended to relieve or exempt the Permittee from compliance with any applicable federal, state, or local law or regulation, except as specifically provided herein.
- F. In the event of any change in control or ownership of source(s) from which the authorized emissions emanate, the Permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Director.
- G. This permit shall be renewable on the expiration date, provided the Permittee submits any and all information necessary for the Director to determine the amount and type of air pollutants emitted from the equipment for which this permit is granted. Failure to submit such information within sixty (60) days after receipt of the Director's request shall cause the permit to be voided.
- H. The Director may require the Permittee to develop a list of Operation and Maintenance Procedures which must be approved by DEQ. Such list of procedures shall become a part of this permit by reference, and the Permittee shall adhere to all of the operation and maintenance procedures contained therein.

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- I. Performance tests (i.e.; air emission source tests) conducted pursuant to testing requirements in this permit must be conducted in accordance with DEQ's Procedures Manual for Air Pollution Control. Such testing shall not be conducted on weekends or state holidays unless the Permittee obtains prior DEQ approval.

The Permittee shall submit a test protocol and a proposed test date for each performance test required by this permit to DEQ for approval at least thirty (30) days prior to each respective test date (including each test date for periodic tests such as, for example, annual tests). The Permittee shall promptly notify DEQ of any change in the proposed test date and shall provide at least five (5) working days advanced notice prior to conducting any rescheduled test, unless DEQ approves a shorter notice period.

Within forty-five (45) days of the date on which a performance test required by this permit is concluded, the Permittee shall submit to DEQ a performance test report for the respective test. The performance test report shall include any and all process operating data required to be recorded during the test period as well as the test results, raw test data, and associated documentation.

The maximum allowable source operating rate shall be limited to 120% of the average operating rate attained during the most recent performance test conducted pursuant to this permit which demonstrated compliance with the respective pollutant emission limit unless; (1) a more restrictive operating limit is specified elsewhere in this permit or; (2) at such an operating rate, emissions would exceed any emission limit(s) set forth in this permit.

- J. The provisions of this permit are severable; and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

ISSUED:	JUNE 6, 1997
EXPIRES:	JUNE 6, 2002

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